

Rebuild Hawaii Consortium Leaders in Energy Efficiency

City & County of Honolulu
County of Hawaii
County of Kauai
County of Maui
Department of Business, Economic Development and Tourism
Department of Education
The Gas Company/Citizens Energy Service
Hawaiian Electric Company, Inc.; Hawaii Electric Light Co., Inc.; Maui Electric Company, Inc.
Hawaii Army National Guard
Housing and Community Development Corporation of Hawaii
Judiciary
Kauai Electric/Citizens Energy Services
Hawaii Public Library System
University of Hawaii Community Colleges
University of Hawaii at Hilo
University of Hawaii at Manoa School of Architecture
U.S. Department of Energy, Pacific Liaison
U.S. Department of Housing and Urban Development

Affiliate

Energy Conservation Hawaii

Rebuild Hawaii Projects

Rebuild Hawaii currently supports the following projects:

- ◆ Hawaiian Electric Co., Inc. small commercial business project (see story)
- ◆ Na Makani Energy initiative, a community-sponsored rural project in North Kohala, Hawaii, that is planning for a "soft energy path" into the 21st century based on energy conservation and renewable resources
- ◆ Hope VI, an urban low-income housing project by the Housing and Community Development Corp. of Hawaii
- ◆ Workshops and technical seminars
- ◆ Multi-disciplinary programs to teach energy and resource management skills at universities and schools

For more information, please contact:

Rebuild Hawaii c/o

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Rebuild Hawaii

Partnering with Rebuild America

Working together for energy and resource efficiency

Introduction of Rebuild Hawaii a Success

Governor Cayetano proclaims Rebuild America in Hawaii Month

The 1998 Efficient Electro-Technology Expo and Conference, held in October at the Sheraton Waikiki, was the stage for an exciting public introduction of the Rebuild Hawaii Consortium. The Expo lasted two days and featured guest speakers, 15 different workshops, and more than 40 exhibits for attendees to explore. Rebuild Hawaii had an exhibit providing information on both the Rebuild America Program and the Hawaii consortium. Pictures featuring the development of the consortium over the last year, and the packets of sunflower seeds provided by the U.S. Department of Energy, were popular features in the exhibit.

The highlight of the meeting was the announcement by Maurice Kaya, Program Administrator, Energy, Resources, and Technology Division, Department of Business, Economic Development and Tourism (DBEDT), that Governor Ben Cayetano had proclaimed October as Rebuild America in Hawaii month. The Rebuild Hawaii Consortium was also awarded a certificate by the Department of Energy. The certificate recognizes the Consortium's successful commitment to promoting energy and resource efficiency, economic growth, and protecting our natural environment.

Mark Bailey, Program Manager for the Rebuild America Program under the U.S. Department of Energy in



Maurice Kaya, Eileen Yoshinaka and Mark Bailey with the Governor's Proclamation and his Certificate of Appreciation from Rebuild America.

Washington D.C., was on hand to present certificates of appreciation to consortium members. Members were recognized for their outstanding support and commitment to the U.S. Department of Energy's Rebuild America Program (see page 2). Mark Bailey attended the Expo with Paul Johnson, Team Lead for the Rebuild America Program in the Seattle Regional Support Office of the U.S. DOE.

Mark and Paul came to Hawaii to help introduce the Rebuild Hawaii Consortium. Mark said Rebuild America is helping communities on

the mainland as well as in Hawaii, and encouraged Expo attendees to visit the Rebuild Hawaii Exhibit and join the program. Paul spoke on the success of the regional program in our region, and the benefits of peer exchange. Both Mark and Paul were very enthusiastic about participating in the Expo and are looking forward to returning to Hawaii. They congratulated us on a job well done. We look forward to seeing them again.

Introduction of the Rebuild Hawaii Consortium at the Energy Expo

Continued on page 2



Rebuild Hawaii

Rebuild Hawaii is a statewide consortium dedicated to promoting efficient energy and resource utilization.

Rebuild Hawaii is working with Rebuild America, a U.S. Department of Energy program, to help community partnerships make profitable investments in existing buildings through energy-efficient technologies.

The partnering of public and private business interests helps Rebuild Hawaii employ innovative solutions to promote economic growth, lower energy costs, create jobs, and protect the environment.

There is opportunity for anyone to join Rebuild Hawaii. It is a voluntary program with no membership fee.



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(back left to right) Maurice Kaya, Paul Johnson, Glenn Sato, Kathryn Fong, Laurie Cristostomo, Kal Kobayashi, Ray Carr (front) Jim Maskrey, Liz Raman, Eileen Yoshinaka, Linda Koyanagi, Mark Bailey, and Sharon Suzuki.

Recipients of Certificates

Neal Asato, Hawaii National Guard
 Raymond Carr, County of Hawaii
 Gene Fong, Department of Education
 Kathryn Fong, U.S. Department of Housing & Urban Development
 Steven Golden, The Gas Company
 June Haruki, University of Hawaii at Hilo
 Maurice Kaya, Department of Business, Economic Development and Tourism
 Kal Kobayashi, County of Maui
 Linda Koyanagi, City and County of Honolulu
 Jim Maskrey, Hawaiian Electric Company
 Stephen Meder, University of Manoa School of Architecture
 Elizabeth Raman, Department of Business, Economic Development and Tourism
 Glenn Sato, County of Kauai
 Jonathan Wong, Judiciary
 Eileen Yoshinaka, Department of Energy
 Maynard Young, University of Hawaii Community Colleges
 Lynn Zane, State Library Systems

M&V Workshop and Seminar

A Workshop and Technical Seminar on Measurement and Verification (M&V) of Energy Savings took place in August. Sponsors included The Department of Business, Economic Development, and Tourism, U.S. Department of Energy Rebuild America Program, Rebuild Hawaii Consortium, and Hawaiian Electric Company Inc. The workshop and seminar allowed for discussion on major issues involving M&V. Open discussion of M&V is important because it is a significant element of performance contracting.

The workshop on protocols for M&V provided an overview of the principles of measurement techniques and recent protocol updates. The 46 participants discussed definitions and options for M&V. A presentation by Steve Kromer explained practical and appropriate applications of M&V protocols. Steve is an Energy Engineer, in the Center for Building Science Applications Team, Lawrence Berkley National Laboratory.

The Technical Seminar on M&V for Rebuild America partners had 26 invitees from government and private sector contractors. The seminar provided a venue for dialogue on M&V issues encountered in performance contracting. Participants discussed protocols suitable to Hawaii, gathered information and recommended input for a chapter on M&V in the States *Guide to Energy Performance Contracting*.

For more information on M&V you can get a copy of the *International Measurement and Verification Protocol* from Elizabeth Raman, telephone (808) 587-3806.



Above, Steve Kromer, M&V Workshop.

Left, Rebuild Hawaii Booth at Energy Expo.

Continued from page 1
 was very successful. Many people were pleased to find out a program like Rebuild Hawaii exists and wanted more information on the program. With more people informed and interested in membership, the Rebuild Hawaii Consortium will become an even bigger asset to our community.



HECO Makes Small Business Their Business

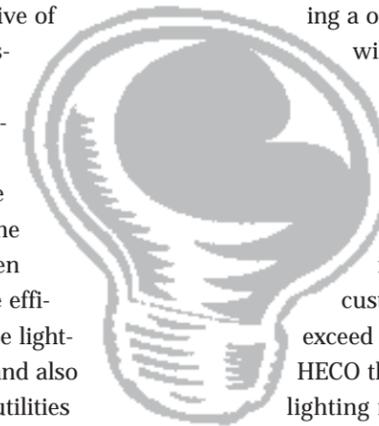
Rebuild America partner, the Hawaiian Electric Company, Inc. (HECO), is working with Rebuild Hawaii in an effort to increase the number of small businesses involved with energy efficient programs.

Historically, small businesses with demands of less than 50 kilowatts have not participated in HECO's programs at a level that is representative of their share of HECO's customer base. A lack of awareness of the opportunities to reduce their energy bills through more efficient technologies is the primary reason. They often mistrust claims that more efficient lighting can decrease lighting costs by up to 40%, and also lack the kind of support utilities and vendors more readily provide to large businesses. HECO wants to help small businesses overcome these barriers by educating them about energy efficient technologies and providing support on purchases and installation.

To help educate small business owners, HECO, along with Rebuild Hawaii and the Department of Business, Economic Development, and Tourism (DBEDT), sponsored two Energy Management Workshops. The workshops were held in October on Oahu and Maui. About 30 people attended these workshops, which informed business owners on ways they can control their operating costs. Participants received a workbook on managing energy costs and an energy audit software program. The workbook and software program were designed to aid business owners to identify energy efficiency opportunities and reduce their operating costs. The evaluations turned in at the end of the workshops were very positive. They showed a favorable increase in the percentage of customers likely to use more efficient lighting and air conditioning. An excellent or good rating

was given by 95.9 % of the workshops' attendees.

A new pilot program by HECO is also helping small business by providing support with the purchase and installation of efficient lighting systems. HECO is working with small businesses that are interested in retrofitting lighting systems with more efficient ones by providing a one stop service. HECO



will perform an audit of the customer's lighting system, identify retrofit opportunities, calculate the potential energy and bill savings, and provide the customer with a not to exceed price for the retrofit. HECO then subcontracts the lighting retrofit to a local lighting contractor. HECO is also allowing customers to repay HECO in monthly payments to help ease the initial cost. Three HECO customers are currently participating in the pilot program, retrofitting seven different locations. Eight more small businesses are expected to join the program next month.

One customer already benefiting from the program said "We're too busy trying to make a buck to shop for things that save us money." Many small businesses are just trying to survive in Hawaii's tough economic environment. They do not have time to look for and to research different kinds of lighting that will save them money. This customer said his business might have retrofitted on its own, but it was a lot quicker with HECO's help. "HECO made us aware of the savings to be had and offered an attractive purchase program."

We look forward to the success of this program! For more information, please call the Hawaiian Electric Company, Inc. at 543-4790.

Meetings

March 1998

Cyane Dandridge from Strategic Energy Innovations worked with 18 organizations to help them focus on supporting activities in Hawaii that would rapidly implement energy efficiency programs. They developed a mission and goals, along with objectives to meet the mission.

May 1998

Peter Dreyfuss from the U.S. Department of Energy discussed the Million Solar Roofs initiative.

August 1998

Mary Tucker from the City of San Jose presented ideas for the consortium based on her wide experience with Rebuild America and renewable energy programs. She also discussed the development of a green buildings' policy for the City of San Jose.

September 1998

Tom Halverson from Academic Capital discussed how to utilize financing alternatives to help affect change in Hawaii's present economic conditions, and the current status of State, Municipal, and Federal financing.

December 1998

Cyane Dandridge from Strategic Energy Innovations helped members brainstorm on the implementation of current projects and decide on specific actions to take so the projects are successful.

Next Meeting March, 1999.

For a copy of minutes from previous meetings:

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